# DONES IN INCOME OF IS

## BOSTON CON. IS BEING WATCHED

Suspicion That It Is Headed for the

of Boston Consolidated on the Boston exchange yesterday, the close finding it sought at \$8 a share, or nearly \$1 more than the talent has been willing to pav for the past two weeks or more. What has been happening to cause the spurt no one here appeared to know, though the opinion was offered in one of the

mine and the gradual increase in the property's earning capacity.

For some time past Boston Consolidated affairs have been at a practical standstill, so far as the building of the contemplated big concentrating works and the connecting road to the mines of the company are concerned. Samuel Newhouse's summons to Denver several' days ago, however, has caused a suspicion in certain quarters that more was doing than had appeared on the surface. It has been no secret for a good while back that negotiations were under way having for their object the securing of a millsue at a point not remote from the new copper plants of the American Smelting & Refining company.

These negotiations, it is now surmised, have gone beyond the original calculations and that they now probably include at least a close alliance with the American Smelting & Refining company, with a possibility of the passing of a control to that powerful combination. As pointed out by one of the Bingham operators during the afternoon, there is nothing lilogical in the surmise. With the control at the Utah Copper company's properties already within its grasp, with a bond on the Ohio company's mines that will be exercised during the next sixty days, nothing would be more natural than that the Securities company would also like to land the Boston Consolidated possessions, as they carry the same class of ores and would help to round out one of the largest blocks of practically inexhaustible copper-bearing territory in the country. While there is yet nothing appearing on the surface to indicate that such a deal is really undersway, there is reason to believe that the meeting of directors in the Boston Consolidated company, which was arranged for the 15th of the present month and suddenly indefinitely deferred, had infinitely more significance than has been attached to it. This is all the more apparent when it is considered that Samuel Newhouse is not a man to delay undertakings such as those contemplated when the \$1.500,000 bond issue was authorized, unless aff elopments may reasonably be expected within a short time.

### BIG COTTONWOOD STRIKE.

### Rich Ore Is Opened in the Giles Company's Territory.

A strike has just been made in the illes Mining company's property near the eau of Big Cottonwood canyon, which bakes it plain that when the lower tun-

centennial 25 90
Cop. Range. 11 25
Daly - West. 14 90
Dom. Coal. 76 90
Franklin 15 90
Franklin 1

## MINING MEN ON NEW ROAD.

### Salt Lake Route's Branch Into Tono pah Means Much for the Miner.

The chief topic in mining circles yesterday was the filing of articles of incorporation by the Las Vegas & Tonopah company, the rails of which are to connect with all the camps to the north and northwest of its stated terminal connection with the Salt Lake route—Las Vegas.

Gould & Curry. 20 Utah Con. ... 64

H. & Norcross. 1 15 Yellow Jacket. 12

Tonopah-Goldfield Stocks.

James A. Pollock & Co, furnish to following as the closing quotations of the San Francisco exchange yesterday over their private wire:

nection with the Salt Lake route—Las Vegas.

The building of this line will bring Tonopah within less than 760 miles of the smelfers in this valley. It will put Bullfrog and Rhyolite well within the 600-mile limit, or just about half what it is by the northern route. Nothing could be said for the districts through which this road is to pass that could help them as this piece of news is sure to do. No amount of boom literature and glowing prospectuses could carry the same amount of conviction that mines exist there and that the prospects are counted upon to develop more. The promoter's talk on the merits of Bullfrog goes just so far; then the investor wants to hear of ore being shipped. When the railroad corporation steps in and says, in effect, that the ore is there and that it stands ready to make its shipment and treatment possible and profitable, the promoter's argument is clinched. Thats all there is to it.

The Las Vegas & Tonopah company is organized and promises to begin work right away. That means that the men and money behind it have learned to their satisfaction that an expenditure of \$1,000,000 for construction and equipment is soutified by conditions in the camps of

right away. That means that the men and money behind it have learned to their satisfaction that an expenditure of \$1,000,000 for construction and equipment is justified by conditions in the camps of which so much has been said during the past year or two; it means that the ore is there; it means that the company will make it possible for the mine operator to take it out and ship at a fair profit, and, judging by what the Sait Lake route has already done in the matter of making cheap rates on ore to Utah smellers, it means that ore which might otherwise have to be concentrated or reduced to bullion on the ground, can be shipped with just as good results when the new read is fif shed.

"The building of that road is going to result in glving to Nevada the chance of its lifetime." said one of the sampling mill men yesterday. "The San Pedro has shown a disposition already to help the miners of the desert region, and, with that splendid feeder finished, I believe the shipper will be placed in a position where he can ship \$50 ore from Tonopah and the camps to the south at a better profit than he can ever hope to do by running milling plants in that dry country. As things are today, freight and treatment charges make away with practically all the profit there is in the lower grades of ore in the Nevada districts tributary to the Southern Pacific, and it is good to hear that the day of deliverance is at hand. All the camps from how as they never have done and it will probably keep the smelters here on the south as they never have done and it will probably keep the smelters here on the south as they never have done and it will probably keep the smelters here on the south as they never have done and it will probably keep the smelters here on the south as a stready freight and the camps from Las Vegas to Tonopah ought to boom now as they never have done and it will probably keep the smelters here on the south as a stready freight and the camps from Las Vegas to Tonopah ought to boom lower the south as a stready freight and

## in Interest-Daly-Judge Active.

American Securities Company.

During the week on the mining exchange a total of 124,493 shares of stock, the selling value of which was \$25,573,79, changed hands, yesterday's proportion of the totals being 14,100 shares and \$6,20,62. The sale of 460 shares of Olay-Judge at \$6 and 400 shares of Victoria at \$2 accounts for the big end of the money involved in yesterday's business.

In noint of interest Lower Mammoth continues to hold first place, and the good form of the stock is indicative that enditions on the 1,500 level are becoming interesting. Uncle Sam is in better shape than it has been for several days, but otherwise there is nothing inspiring about the market, which has ruled weak and dull all through the six days of trading.

Prospects of another assessment on May

Prospects of another assessment on May Prospects of another assessment on May Day has caused that stock to fall about 2c a share, while the talk of assessing New York has had a tendency to hold that stock down as well.

Star Consolidated has held up well through the last few weeks of unusual depression, and the opinion is that substantial results are to follow the sinking of the shaft to the 900 level. Butler-Liberal should also soon make a showing that will command attention, and the same might be said of several other propositions which are laying low ct the present moment. propositions which present moment.

Following is the list of final quotations and record of sales made during yesterday's single and open board ses-

u	Ajax	\$ .121/4	\$ .131/6
3	Carisa	.15	.20
	Creole		.20
Н	Consolidated Mercur	51	55
	Daly	100	1.75
	Daly-Judge	6.00	6.50
			0.00
	Daly-West Eagle & Blue Bell Grand Central	7.00	******
	Canad Control	2.00	3.75
	Grand Central		200.00
٠,	Horn Silver	1.25	1.50
	Little Bell	1.20	1.50
	Lower Mammoth	.37	.371/2
ч	Mammoth	1.15	1.50
	May Day		.07%
	Ontario	*******	2.25
	Rocco-Homestake	.45	
	Silver King	.09	56.00
	Sacramento	.09	.09%
	Silver Shield	.18	.201/4
	Star Consolidated		10%
	Swansea	.25	.35
	South Swansea	1475371	.051/2
	Sunshine	061/	.00/2
	United States Mining	37.00	29.00
			.50
	Utah	9632	9617
- 1	Uncle Sam	1.95	2.05 8.25
	Victoria		2.00
	Boston Consolidated	-4.10	8.25
	Beck Tunnel Con	.05	$.081_{2}$
	Century	.07	.12
	Ingot	.01%	
	Joe Bowers		.02
	Little Chief		.01%
	Tetro	.06	*******
	Victor Consolidated	-03%	.03%
	Wabash	1.25	2.00
	Yankee Consolidated	.30	.35
	White Rock	25	.45
	Nevada Stock	S.	
	Caldelala Dananna	-	- 05

### Yesterday's Sales.

Daly-Judge, 150@\$6.00, Lower Mammoth, 600@37½c; 800@38c; 37%c; 500@35c, buyer 30, Mammoth, 500%130, seller 10, May Day, 1,000@7½c, Uncle Sam, 500@30%e; 1,000@30%e, Victoria, 490@\$2.00.

### Open Board.

## Boston Mining Stocks.

	Adventure	, .,	219	MOHRWIL OU	7313
	Allouez	35	00	M. C. & C "	971/9
	Amal	82	8714	M. C. & C 3 Old. Dom 27	00
	Am. Zine	53	29	Osceola 10	.00
-1	Atlantic	-97	100	Parrot 25	\$379
١	Bingham	30	75	Quiney 106	tect
	Cal. & Hecla	665	:00	Shannon 7	75
	Centennial	26	00	Tamarack 12	
	Cop. Range	73.	26	Trinity 8	75
	Daly - West.	14	.00	U. Copper 34	50
	Dom. Coal	76	00:	U. S. Mining. 37	874
	Franklin	15	00	U. S. OH 10	00
	Granby	7	6236	Utah 45	611
	Isle Royale	518	000	Victoria 5	1.1/3
	Mass. Mining	-8	50	Winona 11	6272
	Michigan	14	100)	Wolverine 118	00

	C. C. Horn Iron	& Va Silver Silver ville Co	r 1	2a. 70		Nev.		
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	Alta\$ 03 Alpha Con 10	Julia\$ 68 Justice 63
2	Andes 20	Mexican 1 05
	Belcher 2	Occidental C 87
	Best & Belcher 1 13 Bullion 36	Ophir 5 374 Overman 10
	Caledonia 40	Potosi 34
	Challenge Con	Savage 60
	Chollar 13	Seg Belcher 13
	C. C. & Va 1 30	Sierra Nev 20
		Silver Hill 86
		Union Con 50 Utah Con 04
	Comme or Courter so	Contract Course core of

	Bid.	Asked.
Montana-Tonopah	\$ 2.97%	\$ 3.00
Tonopah Midway	1.57%	1.60
Macnamara		.41
Tonopah Belmont	1.45	1.50
North Star		.54
Rescue		.09
Gold Mountain		.12
Jim Butler		.78
Tonopah Common	13.50	14.00
Tonopah Extension	6.00	
R/1 Top	.62	.63
Goldfield		.56
		.55
Sandstorm Extension	.07	.09
Adams	.05	.06
Mohawk	.15	.16
Dixie	.13	.14
Kendall	.16	.17
Columbia Mountain		.21
Jumbo		.78
Jumbo Extension	.17	.18
Black Butte		.24
Silver Pick	.09	.10
Golden Anchor	28_	.90
Ray & O'Brien	-06	
Ohio-Tonopah	.28	.30
Original Bullfrog		22
Diamondfield	.29	.31
Lone Star	.08	.10
Home-Tonopah	910	.11
Cash Boy	.18	. 19
Denver		.23
Eclipse		.42
Black Rock	.0214	

jump to meet the demand that will be made on their furnaces as a result. That 25 miles of road will be a big thing for Nevada and it will be of almost incalculable benefit to Salt Lake."

MINING STOCK EXCHANGE.

Lower Mammoth Holds First Place

traders were inclined to take profits and this selling prevented any material rise. The public interest in coppers is increasing each day and the buying is becoming more and more confident. The volume of stock being traded in reminds us of the market in 1893 and 1899. We still advise the purchase of only the good stocks, but believe that Copper Range, Old Dominion, Mohawk, Osceola and Atlantic will show good advances this fall. Quo-

tations:	auv	ances	tmis	Tan.	Quo-
	les. (	Do. H	ich	Low	Close
Boston Con	1,200	8 776	\$ 8	8 77%	\$ 8
Con. Mercur	100	.55	.55	-55	.55
Bingham	060	31	31	30%	
Daly-West		1414	141/2		
Utah	624	45%	45%	451/2	
U. S. Mining	953	38	38	37%	
Allouez	5,232	33%	35%	237/8	351/8
	- W				

### ZINC MIDDLINGS WORTH MUCH.

### Daly-Judge Has a Fortune in Its Present Mill Dump.

Present Mill Dump.

Several hundred tons of zinc middlings from the mill dump of the Daly-Judge company have been delivered at the plant of the Western Ore Separating company in this city and the new plant is now getting well under way in their treatment. The run has not progressed far enough for a statement to be prepared as to what the results will be, but there is no question that the Daly-Judge company will make a large amount of money from the sale of this product. If the Western Ore Separating company can meet the expectations of the Daly-Judge management it will probably get the handling of this product of its Park City mill. If it cannot, then some other concern will get it, for Manager Daly's investigations are known to have reached a point where he knows, almost to a penny, what the product should bring the market price of zinc considered.

No data on this point have been released, but it comes from a source entitled to consideration that the company is certain that the thousands of tons of zinc middlings now on hand can be made to provide more than the means to discharge the bonded indebtedness of the company. It therefore seems to be simply a matter of waiting to give the Western company a fair chance and then cut loose at the mine and mill of the company in the Park.

### BINGHAM MINING NOTES.

is possible that it will be the former. A site has been selected at a distance of about 500 feet down the gulch from the mine, and work on the pier will begin within the next two weeks. At the present time there is being shipped about sixty-five tons of ore daily to Colonel Wall's mill, and during the present month the company has shipped six cars of concentrates. Superintendent Earls is very much pleased with the saving being made at the Wall mill.

## TINTIC ORE SHIPMENTS.

### Mines Send 131 Carloads to Smelters During the Week.

Shipments of ore from the Tintic trict during the past week consiste 131 carloads, as follows:
Ajax
Bullion-Beck
Carisa
Centennial-Eureka
Eagle & Blue Bell
Eurolea Hill
Eureka Hill
Gemini
Grand Central
Mammoth
Swansea
South Swansea
Track Charles and the control of the
Uncle Sam (concentrates)
Victoria
Victor Consolidated
Yankee Consolidated
and a company in the contract of

Section He Visited.

F. W. Hayt, superintendent of the Mackintosh sampler at Park City, and one of the oldest mining operators in that camp, is in the city, after having made a trip into the Uintah reservation country to examine what was thought to be valuable mineral-bearing ground.

"I have had no assays on the material I brought back as yet." said Mr. Hayt yesterday, "but I am quite certain that it will not show anything worth while. The country did not look good to me, and if mines are found out there they will be discovered in a different section from that which I was called upon to inspect. I did not go very deep into the reservation country, and I should not want to unless there was a different formation to see than that which I was taken to. It was a hard, dry, broken up shaly region that might contain anything but mineral."

Ore and bullion settlements in this city during the past week, as reported by McCornick & Co., amounted to \$445,424. The settlements of yesterday amounted to \$88,100, as follows: Silver, lead, gold and copper ores, \$34,800; base bullion, \$33,-300.

of the condition of the mines of Butte is more or less true of all camps where deep mining is done, and on that account the following interview with Captain Benjamin, Tibbey, for many years superintendent of the Parrot mines in the big camp of copper and a recognized authority on mine ventilation, will be read with interest by mine operators everywhere. He discusses the subject at the solicitation of the Butte Miner and in such a way that the deductions drawn are readily understood by the reader. There is so much in the article that every miner and mine superintendent ought to know, even here in Utah, where the mines are probably better ventilated than in most places, that the article is reproduced.

"How long have you been a miner and where have you mined?" the captain was asked, as a means of breaking the ice and leading up to an interview.

"I have mined'ever since I was 7 years old, and it would be easier for me to tell you where I have not mined and examined mines than to enumerate the places where I have mined coal and the precious metals."

"Are you acquainted wha many mining "recounter of the summer of the places where I have mined coal and the precious metals."

"Are you acquainted wha many mining

"Yes, nearly all in this country and a very considerable number of those in Mexico."

Newsy Items From the Mines of Utah's Bonanza Copper Camp.

(Bingham Bulletin.)

The Utah Copper company now has four diamond dribs working. Two are in the tunnels and is working. Two are in the tunnels and is working. Two are in the tunnels and is working. Two are in the tunnels dribs working the same of the holes being drilled are some of the holes being drilled are between 100 and 200 feet. Thirty-three feet in a shift is the drilling record established so far.

The New England Mining company shipped one car of concentrates, one of severelings and one of crude ore this being the in the old Mast vein. The company in the old Mast vein. The company in the health of the night shift because of the impossibility of getting the same difficulty as most of being produced. Mr. McCree of the Etah Abex mine has laid off the night shift because of the impossibility of getting the same difficulty as most of bons, and the same difficulty as most of some shift in the new tunnel and is driving about five feet per day. A machine will be placed in the upper tunnel within a short time. The compressor house has just been given a coat of paint inside and outside and is one of the finest buildings of its kind in the cama.

Both cables have been strung on the amplitude of the machinery. The machinery is now practically all on the ground, the last car having arrived Sunday, and the work of setting it up has begun.

The Silver Shield Mining company is usking out about fifty tons of mill ore driving about five feet per day. A machine will be placed in the upper one is sufficiently acted, and one of the finest buildings of the machinery. The machinery is now practically all on the ground, the last car having arrived Sunday and at the time to the fine of the sunday and an was employed by different company is a sufficiently and the work of setting as i

"Was there any bad air in your mine, or any mine and the party in the Centennial-Eureka 58
 Eagle & Blie Bell 9
 Eureka Hill 5
 Eureka Hill 5
 Grand Central 11
 Grand Central 12
 Mammoth 5
 Swansea 15
 Swansea 5
 South Swansea 15
 Swansea 15 Cooler Below Than Above.

"Mr. Tibbey, how could the temperature in the mine be 40 degrees, when it was 50 to 85 degrees in the outer air?"

"Air is elastic, expanding with heat and contracting with cold, and as the air descended to the 1.00 level it was cooled."

"How do you know that?"

"I had over twenty thermometers, one on top and the rest scattered through the mine, and I would see each of them at least twice a week in summer time—it was not necessary to do so in winter. Hundreds of miners in this town will tell your of the icicles at the bottom of the Parrotts down-cast shaft, and they were to be seen in the mornings 500 or 600 feet along the 800 level or 900 feet below the surface. I have a photograph of them at my home in Selt Lake. Incide of six months after I left the Parrot the temperature of the mine increased to 85 or 90 degrees, so I am informed. The reason of this was that the system of ventilation I laid out was not continued, and the current was broken, resulting in the mine becoming hot."

When the air that has been compressed it is a soorer in oxygen.

"It reminds me of a man feeding an elephant with a spoon. After awhile the animal would become so weak that he could not move his trunk. So it is with a man fed alone with such air, Compressed air is fed through a pipe of small dimensions, and after it leaves that pipe on a light on the rest of the man fed alone with such air, Compressed air is fed through a pipe of small dimensions, and after it leaves that the water for air. Take an inch nipe on a should not move his trunk. So it is with a mineral would become so weak that he devoled not move his trunk. So it is with a mineral would become so weak that he dealing and one with sepond on the same fed alone with sepond on the spoon. After awhile the animal would become so weak that he dealing an elephant with a spoon. After awhile the animal would become so weak that the seed in the same fed alone with sepond on the lephant with a spoon. After awhile the animal would become so weak that the cou "What do you suppose was the cause of the heat in the mine?"
"As I stated before, you have to understand the use of the instruments I mentioned to appreciate the condition of the air. The atmosphere is the carth's great holler valve preventing the outbreak of gases which are pressed and pennd up in the carth's status like steam in a boller. The slips and seams of the earth, better known to some people as crevices in the rocks, are the pores of the earth, the same as the pores of your hands and body. A fall in the barometer allows these gases to escape owing to the air being lighter. I may explain why mines are affected by a change of weather: Because the weight of the atmosphere which presses gas m the strata is diminished when the barometer falls. When a change of weather takes place the weight of the inverteer way be dispussed from fif.

## Carbonic Acid Gas in Mines.

Staken to unless there was a different formation to see than that which I was taken to. It was a hard, dry, broken up shaly region that might contain anythins but mineral.

Ore and Bullion.

Ore and Bullion.

Ore and Bullion.

Ore and bullion settlements in this city during the past week, as reported by McCornick & Co., amounted to \$415,247. The settlements of yesterday amounted to \$83,100, as follows: Silver, lead, gold and copper ores, \$34,590; base bullion, \$35,200.

New Mining Company.

Articles of incorporation of the General Grant Mining company were yesterday filed it, the office of the secretary of state. The company were yesterday filed it, the office of the secretary of state. The company were yesterday filed it, the office of the secretary of state. The company is capital ized for \$30,000, divided into 10-cent shares and Richfield is the principal place, of business. The company owns the Gentral Continued on Page 11,

Continued on Page 11,

Captain Ben Tibbey.

the elements above for nature to purify. Under my system it required ten minutes for the air entering the down-cast to be discharged by the up-cast to the surface. Under this system my air was not loaded down by gases, making it healthier for the men and preventing the rapid decay of timbers. Then the air was changed every ten minutes in the mine; I know from the tests made by my airmeters, which showed its exact velocity."

Cooler Below Than Above.

Causes of Heat Underground.

VENTILATION IN

MINE WORKINGS

The proper ventilation of mine workings is a problem that is unan working and the proper in the state of the proper ventilation of mine workings is a problem that is just now causing more talk in Butte than any other subject. The facts the control work of the state of the proper ventilation of mine workings is a problem that is just now causing more talk in Butte than any other subject. The facts the control work of the state of the proper ventilation miner are unable to do a green work that is other satisfactory. The proper ventilation miner are unable to do a green work that is other satisfactory of the state of the proper ventilation miner are unable to do a green work that is other satisfactory of the state of the proper ventilation miner are unable to do a green work that is other satisfactory of the state of the proper ventilation miner are unable to do a green work that is other satisfactory of the state of the proper ventilation of mine working poor ventilation miner are unable to do a green work that is other satisfactory of the state of the proper ventilation of mine working is a problem that is just now causing more talk in Butte than any other subject. The facts the scognizated that structure of the control of the state of the proper ventilation of mine working poor ventilation miner are unable to do a green work that is other satisfactory of the state of the proper ventilation of mine working the proper ventilation of mine working that the proper ventilation of mine working that the proper ventilation of mine working that the proper ventilation of mine working the proper ventilation of mine working the proper ventilation of mine working that the proper ventilation of mine working the proper ventilation of mine working the proper ventilation of mine working that the proper work that is other sati Fans Would Not Help.

"Mr. Tibbey, do you believe that conditions are such in Butte that fans have become necessary?"

"I do not believe under present conditions, with all these openings, fans yould be of any assistance; they would be an injury more than a benefit, because there is no system of ventilation in this camp to which they could be applied. I have seen similar conditions in other camps to those existing in Butte today, and foresaw this situation here twenty-four years, ago, and talked and delivered lectures upon the subject, but wo attention was paid to it, and it was called Tibbey's hobby.' Today it has become a vital question to the health of the miner, to the wealth of the companies and to the prosperity of the community at large.

panles and to the prosperity of the community at large.

"This is to the interest of the employer and employer alike, and to the country in general. Millions and millions of dollars have been lost—wasted—in this camp and many others, which is of no benefit to anyone, if there was good air in the mines twice as much work would be accomplished, and the work would be a pleasure and not a burden to the men. Good air gives energy and life, and deprived of oxygen the men are weak, lacking in vitality, which makes poor work and poor results."

## What Poor Ventilation Costs Butte.

"How much do you think is lost is Butte on account of poor ventilation Mr. Tibber?" "How much do you think is lost in Butte on account of poor ventilation. Mr. Tibbey."

"Millions and millions of dollars have been less there. Say there are 5,000 men working in poorly ventilated mines in Butte. One-third of eight hours' pay is 1.IT; let us out it at \$1 a day for 5,000 men. In thirty days that would be \$150-000, or \$1,500,000 per year. As stated above, it may be that 50 per cent on \$20,000,000. This is a loss that is no benefit to the workingman. The benefit to the companies, but a loss of that amount of money to the world. I hope to live to see the day when better alr will be supplied to the mines, for as 1, stated before, there are thousands of mien in this camp aware of this condition, as there are other thousands of mien in this camp aware of this companies, but a loss of that amount of money to the workingman no benefit to the companies, but a loss of that amount of money to the workingman no benefit to the companies, but a loss of that amount of money to the working man aware of this camp aware of this camp aware of this camp aware of this camp aware of this condition, as there are other thousands of mien in this camp aware of this camp aware of this condition, as there are other thousands of mien in this camp aware of this companies, but a loss of that amount of money to the working in poorly ventilated mines in the sate and the time. The working in poorly ventilated mines in the sate along the total pay the third and the companies.

"Would the cost of a ventilating system of the mines of Butte or any of the current of the working man and even less than that if the system were understood in the being so, and that is the or earlies little or no sulphur, and the mines of Butte or less. Decomposition of the miners of Butte or sulphur, and the mines of Butte or sulphur, and the mines of Butte or any of the company in the development work. "In conclusion, I would say: What is being so, and that is the or carried along with the development work. "In conclusion, I would say: What is being so, an

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We give instantaneous tele-Goldfield and Comstock. Nevada

## JAMES A. POLLOCK & CO.

Now have our own membership on Chicago Board of Trade.

6 West Second South St. Salt Lake City. -----

## UNITED STATES SMELTING CO. SALT LAKE CITT, UTAH.

must expect."
"What do you think of compressed air as a ventilating medium?"
"It is a known fact that compressed air loses a percentage of its oxygen. When the air that has been compressed is again expanded to its original volume it is proper in oxygen.

## Lead and Copper Ores

## The United States Smelting Company

Is now in the market for all kinds of lead and copper ores at PRICES FAVORABLE TO SHIPPERS.

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To Salt Lake City, Utah.

CONSIGN ALL SHIPMENTS AS FOLLOWS: United States Smelling Co., BINGHAM JUNCTION, UTAH. When shipment is wade please NOTIFY US PROMPTLY and if PUBLIC SAMPLEE is preferred. DESIGNATE WHICH ONE; also designate ONE ASSAYER.